Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/17/2018 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125881	0	1.03	125935	1.04
Blue	F	SSC	125000	124200	-1	2.11	124868	2.12
Blue	E	FITC	15760	15472	-2	2.96	332	22.43
Blue	D	PE	25880	25391	-2	2.02	550	16.56
Blue	B	PerCP-Cy5-5	34075	33705	-2	4.18	1027	22.39
Blue	A	PE-Cy7	22776	23180	1	7.25	554	44.07
Red	C	APC	42488	41553	-3	2.70	1581	13.09
Red	A	APC-Cy7	24478	24312	-1	2.88	835	12.71
Violet	B	V450	6304	5968	-6	4.03	331	16.67
Violet	A	V500	26005	25046	-4	3.57	585	12.48

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20732	3.39	602	5	N/A	N/A	Pass
Blue	F	SSC	56157	1.47	564	9	N/A	N/A	Pass
Blue	E	FITC	58	74.13	557	1	0.0159	192	Pass
Blue	D	PE	116	55.37	550	1	0.1261	259	Pass
Blue	B	PerCP-Cy5-5	197	52.57	649	2	0.0075	24	Pass
Blue	A	PE-Cy7	110	106.97	702	5	0.0096	22	Pass
Red	C	APC	376	27.77	599	-1	0.0208	167	Pass
Red	A	APC-Cy7	204	28.61	571	0	0.0050	1277	Pass
Violet	B	V450	52	79.83	478	-11	0.0349	2796	Pass
Violet	A	V500	87	46.01	495	-11	0.0158	1501	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.64	-31.30	1.01
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	18.10	13.60 - 20.40	N/A	N/A	31.16	31.62	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11670

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments